

**DECLARATION  
AND POWER OF ATTORNEY**

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below at 201 et seq. underneath my name.

I believe I am the original, first and sole inventor if only one name is listed at 201 below, or an original, first and joint inventor if plural names are listed at 201 et seq. below, of the subject matter which is claimed and for which a patent is sought on the invention entitled

**TISSUE-SPECIFIC AND PATHOGEN-SPECIFIC TOXIC AGENTS AND RIBOZYMES**

and for which a patent application:

- is attached hereto and includes amendment(s) filed on *(if applicable)*  
 was filed in the United States on April 13, 2000 as Application No. 09/548,449 *(for declaration not accompanying application)*  
with amendment(s) filed on *(if applicable)*  
 was filed as PCT international Application No. PCT/US00/10229 on April 14, 2000 and was amended under PCT Article 19 on *(if applicable)*

I hereby state that I have reviewed and understand the contents of the above identified application, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information known to me to be material to patentability as defined in Title 37, Code of Federal Regulations, §1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, §119(a)-(d) of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

EARLIEST FOREIGN APPLICATION(S), IF ANY, FILED PRIOR TO THE FILING DATE OF THE APPLICATION			
APPLICATION NUMBER	COUNTRY	DATE OF FILING (day, month, year)	PRIORITY CLAIMED
			YES <input type="checkbox"/> NO <input type="checkbox"/>
			YES <input type="checkbox"/> NO <input type="checkbox"/>

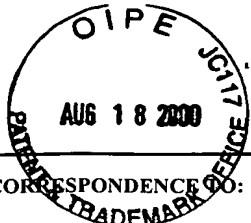
I hereby claim the benefit under Title 35, United States Code, §119(e) of any United States provisional application(s) listed below.

APPLICATION NUMBER	FILING DATE

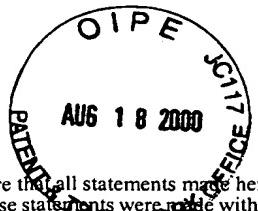
I hereby claim the benefit under Title 35, United States Code, §120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code §112, I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, §1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application:

APPLICATION SERIAL NO.	FILING DATE	STATUS		
		PATENTED	PENDING	ABANDONED
09/291,902	April 14, 1999		X	

**POWER OF ATTORNEY:** As a named inventor, I hereby appoint S. Leslie Misrock (Reg. No. 18872), Harry C. Jones, III (Reg. No. 20280), Berj A. Terzian (Reg. No. 20060), David Weild, III (Reg. No. 21094), Jonathan A. Marshall (Reg. No. 24614), Barry D. Rein (Reg. No. 22411), Stanton T. Lawrence, III (Reg. No. 25736), Charles E. McKenney (Reg. No. 22795), Philip T. Shannon (Reg. No. 24278), Francis E. Morris (Reg. No. 24615), Charles E. Miller (Reg. No. 24576), Gidon D. Stern (Reg. No. 27469), John J. Lauter, Jr. (Reg. No. 27814), Brian M. Poissant (Reg. No. 28462), Brian D. Coggio (Reg. No. 27624), Rory J. Radding (Reg. No. 28749), Stephen J. Harbulak (Reg. No. 29166), Donald J. Goodell (Reg. No. 19766), James N. Palik (Reg. No. 25510), Thomas E. Friebel (Reg. No. 29258), Laura A. Coruzzi (Reg. No. 30742), Jennifer Gordon (Reg. No. 30753), Allan A. Fanucci (Reg. No. 30256), Geraldine F. Baldwin (Reg. No. 31232), Victor N. Balancia (Reg. No. 31231), Samuel B. Abrams (Reg. No. 30605), Steven I. Wallach (Reg. No. 35402), Marcia H. Sundeen (Reg. No. 30893), Paul J. Zegger (Reg. No. 33821), Edmond R. Bannon (Reg. No. 32110), Bruce J. Barker (Reg. No. 33291), Adriane M. Antler (Reg. No. 32605), Thomas G. Rowan (Reg. No. 34419), James G. Markey (Reg. No. 31636), Thomas D. Kohler (Reg. No. 32797), Scott D. Stimpson (Reg. No. 33607), Gary S. Williams (Reg. No. 31066), William S. Galliani (Reg. No. 33885), Ann L. Gisolfi (Reg. No. 31956), Todd A. Wagner (Reg. No. 35399), Scott B. Familiant (Reg. No. 35514), Kelly D. Talcott (Reg. No. 39582), Francis D. Cerrito (Reg. No. 38100), Anthony M. Insogna (Reg. No. 35203), Brian M. Rothery (Reg. No. 35340), Brian D. Siff (Reg. No. 35679), and Alan Tenenbaum (Reg. No. 34939), all of Pennie & Edmonds LLP, whose addresses are 1155 Avenue of the Americas, New York, New York 10036, 1667 K Street N.W., Washington, DC 20006 and 3300 Hillview Avenue, Palo Alto, CA 94304, and each of them, my attorneys, to prosecute this application, and to transact all business in the Patent and Trademark Office connected therewith.

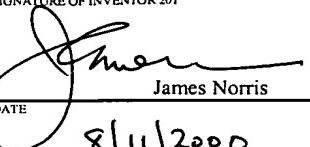
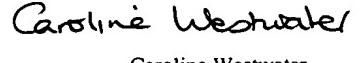
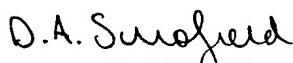
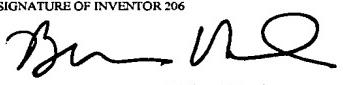
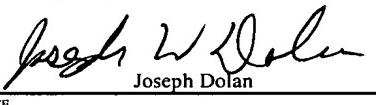


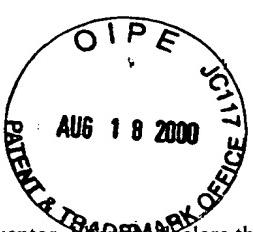
SEND CORRESPONDENCE TO: PENNIE & EDMONDS LLP 1155 Avenue of the Americas New York, N.Y. 10036-2711		DIRECT TELEPHONE CALLS TO: PENNIE & EDMONDS LLP DOCKETING (212) 790-9090		
201	FULL NAME OF INVENTOR  Norris	LAST NAME  Norris	FIRST NAME  James	MIDDLE NAME
	RESIDENCE & CITIZENSHIP  Mt. Pleasant	CITY  Mt. Pleasant	STATE OR FOREIGN COUNTRY  South Carolina	COUNTRY OF CITIZENSHIP  USA
	POST OFFICE ADDRESS  1010 Casseque Province	STREET  1010 Casseque Province	CITY  Mt. Pleasant	STATE OR COUNTRY ZIP CODE South Carolina 29464
202	FULL NAME OF INVENTOR  Clawson	LAST NAME  Clawson	FIRST NAME  Gary	MIDDLE NAME
	RESIDENCE & CITIZENSHIP  Bethesda	CITY  Bethesda	STATE OR FOREIGN COUNTRY  Maryland	COUNTRY OF CITIZENSHIP  USA
	POST OFFICE ADDRESS  5709 Rockmere Drive	STREET  5709 Rockmere Drive	CITY  Bethesda	STATE OR COUNTRY ZIP CODE Maryland 20816
203	FULL NAME OF INVENTOR  Westwater	LAST NAME  Westwater	FIRST NAME  Caroline	MIDDLE NAME
	RESIDENCE & CITIZENSHIP  Mt. Pleasant	CITY  Mt. Pleasant	STATE OR FOREIGN COUNTRY  South Carolina	COUNTRY OF CITIZENSHIP  United Kingdom
	POST OFFICE ADDRESS  803K Runaway Bay Drive	STREET  803K Runaway Bay Drive	CITY  Mt. Pleasant	STATE OR COUNTRY ZIP CODE South Carolina 29464
204	FULL NAME OF INVENTOR  Schofield	LAST NAME  Schofield	FIRST NAME  David	MIDDLE NAME
	RESIDENCE & CITIZENSHIP  Mt. Pleasant	CITY  Mt. Pleasant	STATE OR FOREIGN COUNTRY  South Carolina	COUNTRY OF CITIZENSHIP  United Kingdom
	POST OFFICE ADDRESS  803K Runaway Bay Drive	STREET  803K Runaway Bay Drive	CITY  Mt. Pleasant	STATE OR COUNTRY ZIP CODE South Carolina 29464
205	FULL NAME OF INVENTOR  Schmidt	LAST NAME  Schmidt	FIRST NAME  Michael	MIDDLE NAME  G.
	RESIDENCE & CITIZENSHIP  Charleston	CITY  Charleston	STATE OR FOREIGN COUNTRY  South Carolina	COUNTRY OF CITIZENSHIP  USA
	POST OFFICE ADDRESS  97 Montagu Street	STREET  97 Montagu Street	CITY  Charleston	STATE OR COUNTRY ZIP CODE South Carolina 29401
206	FULL NAME OF INVENTOR  Hoel	LAST NAME  Hoel	FIRST NAME  Brian	MIDDLE NAME
	RESIDENCE & CITIZENSHIP  Charleston	CITY  Charleston	STATE OR FOREIGN COUNTRY  South Carolina	COUNTRY OF CITIZENSHIP  USA
	POST OFFICE ADDRESS  1220 Caperton Way	STREET  1220 Caperton Way	CITY  Charleston	STATE OR COUNTRY ZIP CODE South Carolina 29412
207	FULL NAME OF INVENTOR  Dolan	LAST NAME  Dolan	FIRST NAME  Joseph	MIDDLE NAME
	RESIDENCE & CITIZENSHIP  Mt. Pleasant	CITY  Mt. Pleasant	STATE OR FOREIGN COUNTRY  South Carolina	COUNTRY OF CITIZENSHIP  USA
	POST OFFICE ADDRESS  1821 Falling Circle	STREET  1821 Falling Circle	CITY  Mt. Pleasant	STATE OR COUNTRY ZIP CODE South Carolina 29646
208	FULL NAME OF INVENTOR  Pan	LAST NAME  Pan	FIRST NAME  Wei-Hua	MIDDLE NAME
	RESIDENCE & CITIZENSHIP  Hummelstown	CITY  Hummelstown	STATE OR FOREIGN COUNTRY  Pennsylvania	COUNTRY OF CITIZENSHIP  China
	POST OFFICE ADDRESS  907 Butler Court	STREET  907 Butler Court	CITY  Hummelstown	STATE OR COUNTRY ZIP CODE Pennsylvania 17036



PENNIE &amp; EDMONDS LLP DOCKET NO. 9175-016

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

SIGNATURE OF INVENTOR 201	SIGNATURE OF INVENTOR 202	SIGNATURE OF INVENTOR 203
 James Norris	Gary Clawson	 Caroline Westwater
DATE <u>8/11/2000</u>	DATE	DATE <u>8-11-2000</u>
SIGNATURE OF INVENTOR 204	SIGNATURE OF INVENTOR 205	SIGNATURE OF INVENTOR 206
 D.A. Schofield David Schofield	 Michael Schmidt	 Brian Hoel
DATE <u>8/11/2000</u>	DATE <u>8/11/2000</u>	DATE <u>8/11/2000</u>
SIGNATURE OF INVENTOR 207	SIGNATURE OF INVENTOR 208	
 Joseph Dolan	 Wei-Hua Pan	
DATE <u>8/11/2000</u>	DATE	



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APPLICATION NUMBER	COUNTRY	DATE OF FILING (day, month, year)	PRIORITY CLAIMED
			YES <input type="checkbox"/> NO <input type="checkbox"/>
			YES <input type="checkbox"/> NO <input type="checkbox"/>

I hereby claim the benefit under Title 35, United States Code, §119(e) of any United States provisional application(s) listed below.

APPLICATION NUMBER	FILING DATE

I hereby claim the benefit under Title 35, United States Code, §120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code §112, I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, §1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application:

APPLICATION SERIAL NO.	FILING DATE	STATUS		
		PATENTED	PENDING	ABANDONED
09/291,902	April 14, 1999		X	

**POWER OF ATTORNEY:** As a named inventor, I hereby appoint S. Leslie Misrock (Reg. No. 18872), Harry C. Jones, III (Reg. No. 20280), Berj A. Terzian (Reg. No. 20060), David Weild, III (Reg. No. 21094), Jonathan A. Marshall (Reg. No. 24614), Barry D. Rein (Reg. No. 22411), Stanton T. Lawrence, III (Reg. No. 25736), Charles E. McKenney (Reg. No. 22795), Philip T. Shannon (Reg. No. 24278), Francis E. Morris (Reg. No. 24615), Charles E. Miller (Reg. No. 24576), Gidon D. Stern (Reg. No. 27469), John J. Lauter, Jr. (Reg. No. 27814), Brian M. Poissant (Reg. No. 28462), Brian D. Coggio (Reg. No. 27624), Rory J. Radding (Reg. No. 28749), Stephen J. Harbulak (Reg. No. 29166), Donald J. Goodell (Reg. No. 19766), James N. Palik (Reg. No. 25510), Thomas E. Friebel (Reg. No. 29258), Laura A. Coruzzi (Reg. No. 30742), Jennifer Gordon (Reg. No. 30753), Allan A. Fanucci (Reg. No. 30256), Geraldine F. Baldwin (Reg. No. 31232), Victor N. Balancia (Reg. No. 31231), Samuel B. Abrams (Reg. No. 30605), Steven I. Wallach (Reg. No. 35402), Marcia H. Sundeen (Reg. No. 30893), Paul J. Zegger (Reg. No. 33821), Edmond R. Bannon (Reg. No. 32110), Bruce J. Barker (Reg. No. 33291), Adriane M. Antler (Reg. No. 32605), Thomas G. Rowan (Reg. No. 34419), James G. Markey (Reg. No. 31636), Thomas D. Kohler (Reg. No. 32797), Scott D. Stimpson (Reg. No. 33607), Gary S. Williams (Reg. No. 31066), William S. Galliani (Reg. No. 33885), Ann L. Gisolfi (Reg. No. 31956), Todd A. Wagner (Reg. No. 35399), Scott B. Familiant (Reg. No. 35514), Kelly D. Talcott (Reg. No. 39582), Francis D. Cerrito (Reg. No. 38100), Anthony M. Insogna (Reg. No. 35203), Brian M. Rothery (Reg. No. 35340), Brian D. Siff (Reg. No. 35679), and Alan Tenenbaum (Reg. No. 34939), all of Pennie & Edmonds LLP, whose addresses are 1155 Avenue of the Americas, New York, New York 10036, 1667 K Street N.W., Washington, DC 20006 and 3300 Hillview Avenue, Palo Alto, CA 94304, and each of them, my attorneys, to prosecute this application, and to transact all business in the Patent and Trademark Office connected therewith.

SEND CORRESPONDENCE TO:		PENNIE & EDMONDS LLP 1155 Avenue of the Americas New York, N.Y. 10036-2711		DIRECT TELEPHONE CALLS TO: PENNIE & EDMONDS LLP DOCKETING (212) 790-9090	
2 0 1	FULL NAME OF INVENTOR	LAST NAME Norris	FIRST NAME James	MIDDLE NAME	
	RESIDENCE & CITIZENSHIP	CITY Mt. Pleasant	STATE OR FOREIGN COUNTRY South Carolina	COUNTRY OF CITIZENSHIP USA	
	POST OFFICE ADDRESS	STREET 1010 Casseque Province	CITY Mt. Pleasant	STATE OR COUNTRY South Carolina	ZIP CODE 29464
2 0 2	FULL NAME OF INVENTOR	LAST NAME Clawson	FIRST NAME Gary	MIDDLE NAME	
	RESIDENCE & CITIZENSHIP	CITY Bethesda	STATE OR FOREIGN COUNTRY Maryland	COUNTRY OF CITIZENSHIP USA	
	POST OFFICE ADDRESS	STREET 5709 Rockmere Drive	CITY Bethesda	STATE OR COUNTRY Maryland	ZIP CODE 20816
2 0 3	FULL NAME OF INVENTOR	LAST NAME Westwater	FIRST NAME Caroline	MIDDLE NAME	
	RESIDENCE & CITIZENSHIP	CITY Mt. Pleasant	STATE OR FOREIGN COUNTRY South Carolina	COUNTRY OF CITIZENSHIP United Kingdom	
	POST OFFICE ADDRESS	STREET 803K Runaway Bay Drive	CITY Mt. Pleasant	STATE OR COUNTRY South Carolina	ZIP CODE 29464
2 0 4	FULL NAME OF INVENTOR	LAST NAME Schofield	FIRST NAME David	MIDDLE NAME	
	RESIDENCE & CITIZENSHIP	CITY Mt. Pleasant	STATE OR FOREIGN COUNTRY South Carolina	COUNTRY OF CITIZENSHIP United Kingdom	
	POST OFFICE ADDRESS	STREET 803K Runaway Bay Drive	CITY Mt. Pleasant	STATE OR COUNTRY South Carolina	ZIP CODE 29464
2 0 5	FULL NAME OF INVENTOR	LAST NAME Schmidt	FIRST NAME Michael	MIDDLE NAME G.	
	RESIDENCE & CITIZENSHIP	CITY Charleston	STATE OR FOREIGN COUNTRY South Carolina	COUNTRY OF CITIZENSHIP USA	
	POST OFFICE ADDRESS	STREET 97 Montagu Street	CITY Charleston	STATE OR COUNTRY South Carolina	ZIP CODE 29401
2 0 6	FULL NAME OF INVENTOR	LAST NAME Hoel	FIRST NAME Brian	MIDDLE NAME	
	RESIDENCE & CITIZENSHIP	CITY Charleston	STATE OR FOREIGN COUNTRY South Carolina	COUNTRY OF CITIZENSHIP USA	
	POST OFFICE ADDRESS	STREET 1220 Caperton Way	CITY Charleston	STATE OR COUNTRY South Carolina	ZIP CODE 29412
2 0 7	FULL NAME OF INVENTOR	LAST NAME Dolan	FIRST NAME Joseph	MIDDLE NAME	
	RESIDENCE & CITIZENSHIP	CITY Mt. Pleasant	STATE OR FOREIGN COUNTRY South Carolina	COUNTRY OF CITIZENSHIP USA	
	POST OFFICE ADDRESS	STREET 1821 Falling Circle	CITY Mt. Pleasant	STATE OR COUNTRY South Carolina	ZIP CODE 29646
2 0 8	FULL NAME OF INVENTOR	LAST NAME Pan	FIRST NAME Wei-Hua	MIDDLE NAME	
	RESIDENCE & CITIZENSHIP	CITY Hummelstown	STATE OR FOREIGN COUNTRY Pennsylvania	COUNTRY OF CITIZENSHIP China	
	POST OFFICE ADDRESS	STREET 907 Butler Court	CITY Hummelstown	STATE OR COUNTRY Pennsylvania	ZIP CODE 17036

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

SIGNATURE OF INVENTOR 201	SIGNATURE OF INVENTOR 202	SIGNATURE OF INVENTOR 203
James Norris	 Gary Clawson	Caroline Westwater
DATE	DATE <b>July 31, 2000</b>	DATE
SIGNATURE OF INVENTOR 204	SIGNATURE OF INVENTOR 205	SIGNATURE OF INVENTOR 206
David Schofield	Michael Schmidt	Brian Hoel
DATE	DATE	DATE
SIGNATURE OF INVENTOR 207	SIGNATURE OF INVENTOR 208	
Joseph Dolan	 Wei-Hua Pan	
DATE	DATE <b>July 31, 2000</b>	